

HYBRID IMPLEMENTATION FOR ERROR CORRECTION CODES WITHIN A NON-VOLATILE MEMORY SYSTEM

ABSTRACT

Methods and apparatus for using different error correction code algorithms to
5 encode and to decode contents of blocks within a non-volatile memory are disclosed.
According to one aspect of the present invention, a method for storing data within a non-
volatile memory includes identifying a first block into which the data is to be stored, and
obtaining an indicator associated with the first block. A determination may then be made
regarding whether the indicator indicates that the data is to be encoded using a first
10 algorithm. The data is encoded using the first algorithm when it is determined that the
data is to be encoded using the first algorithm, after which point the data encoded using
the first algorithm is written into the first block.